

## IN THE CLAIMS

Please amend claim 1-5, 14, 15, 20, and 23 as set forth below. All currently pending claims have been reproduced below. No claims are presently added.

1. (Currently Amended) A method for providing a graphical representation of data, the method comprising:

determining a plurality of parameters from a parameter set that relates to a dynamic;

dividing the plurality of parameters into data groups based on characteristics of the parameters;

defining a plurality of partitions of a figure for a graphical representation of the data groups, the plurality of partitions comprising:

a first partition comprising a first portion of the perimeter of the figure;

a second partition comprising a line dividing the figure; and

a third partition comprising a second portion of the perimeter of the figure that is different from the first portion;

mapping parameters of the data groups to corresponding nodes at locations on the plurality of partitions corresponding to each data group based on parameter values and values associated with the locations on the partitions; and

connecting the nodes graphically with indicia that indicates an association between data groups.

2. (Currently Amended) The method of claim 1, comprising:

~~ordering the nodes alphanumerically~~

mapping parameters of a first data group to nodes on the first partition;

mapping parameters of a second data group to nodes on the second partition; and

mapping parameters of a third data group to nodes on the third partition.

3. (Currently Amended) The method of claim 1, comprising ordering the nodes according to ~~an~~ associated parameter values. ~~data-value~~.

4. (Currently Amended) The method of claim 1, comprising spacing the nodes according to associated ~~data~~ parameter values.

5. (Currently Amended) The method of claim 4, comprising providing more space for nodes with higher associated parameter values. ~~data-value~~.

6. (Original) The method of claim 4, comprising connecting nodes and lines in a piece-wise fashion.

7. (Original) The method of claim 1, comprising assigning a weight to the nodes and ordering the nodes according to the weight.

8. (Original) The method of claim 1, comprising assigning a weight to the nodes and spacing the nodes according to the weight.

9. (Original) The method of claim 8, comprising providing more space for nodes with high weight.

10. (Original) The method of claim 1, wherein the graphical representation comprises real time animation.

11. (Original) The method of claim 1, comprising auto-linking the indicia.

12. (Original) The method of claim 1, comprising auto-linking the nodes.

13. (Original) The method of claim 1, comprising fading the indicia.

14. (Currently Amended) A computer system for providing a graphical representation of data, the computer system comprising:

- a parameter abstracting module that abstracts a plurality of parameters from a parameter set that relates to a dynamic;
- a parameter group dividing module that divides the plurality of parameters into data groups based on parameter characteristics;
- a partition defining module that defines a plurality of partitions of a figure for a graphical representation of the data groups, the plurality of partitions comprising:
  - a first partition comprising a first portion of the perimeter of the figure;
  - a second partition comprising a line dividing the figure; and
  - a third partition comprising a second portion of the perimeter of the figure that is different from the first portion;
- a mapping module that maps parameters of the data groups to corresponding nodes at locations on the plurality of partitions corresponding to each data group based on parameter values and values associated with the locations on the partitions;
- and
- a graphical connection module that connects the nodes graphically with indicia that indicates an association between the data groups.

15. (Currently Amended) The computer system of claim 14, comprising a node ordering module that graphically orders the nodes based on relative parameter values associated with ~~of~~ the nodes.

16. (Original) The computer system of claim 14, comprising a node weight assigning module that assigns weight values to the nodes.

17. (Original) The computer system of claim 14, comprising a node spacing module that graphically spaces the nodes.

18. (Original) The computer system of claim 14, comprising a real time animation module that provides real time animation of the plurality of parameters.

19. (Original) The computer system of claim 15, comprising an auto-link module that provides auto-linking of the indicia.

20. (Currently Amended) A computer system for providing a graphical representation of data, the computer system comprising:

means for abstracting a plurality of parameters from a parameter set that relates to a dynamic;

means for dividing the plurality of parameters into data groups based on parameter characteristics;

means for defining a plurality of partitions of a figure for a graphical representation of the data groups, the plurality of partitions comprising:

a first partition comprising a first portion of the perimeter of the figures;

a second partition including a line dividing the figure; and

a third partition comprising a second portion of the perimeter of the figure that  
is different from the first portion;

means for mapping parameters of the data groups to corresponding nodes at locations

on the plurality of partitions corresponding to each data group based on

parameter values and values associated with the locations on the partitions; and

means for connecting the nodes graphically with indicia that indicates an association  
between data groups.

21. (Original) The computer system of claim 20, comprising a means for assigning  
node weight.

22. (Original) The computer system of claim 20, comprising a means for graphically  
spacing the nodes.

23. (Currently Amended) A computer program stored on a computer readable  
tangible medium and executable by a computer, the computer program comprising:

a parameter abstracting module stored on the tangible medium, the parameter

abstracting module being adapted to abstract a plurality of parameters from a  
parameter set that relates to a dynamic;

a parameter group dividing module stored on the tangible medium, the parameter

abstracting module being adapted to divide the plurality of parameters into data  
groups based on parameter characteristics;

a partition defining module stored on the tangible medium, the parameter abstracting

module being adapted to define a plurality of partitions of a figure for a

graphical representation of the data groups, the plurality of partitions

comprising:

a first partition including a first portion of the perimeter of the figure;

a second partition including a line dividing the figure; and

a third partition including a second portion of the perimeter of the figure that is  
different from the first portion;

a mapping module stored on the tangible medium, the mapping module being adapted  
to map parameters of the data groups to corresponding nodes at locations on a  
plurality of the partitions corresponding to each data group based on parameter  
values and values associated with the locations on the partitions; and  
a graphical connection module stored on the tangible medium, the graphical connection  
module being adapted to connect the nodes graphically with indicia that  
indicates an association between the data groups.